

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Dr., Diamond Bar, CA 91765-4182**

**MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

<b>TO:</b> Cher Snyder Assistant DEO Engineering and Compliance	<b>LABORATORY NO:</b> <u>1607819</u>
	<b>REFERENCE NO:</b> <u>GC6-3-81</u>
<b>SAMPLE DESCRIPTION:</b> Triggered Sample Canister: 53412	<b>DATE SAMPLED:</b> <u>03/18/16</u>
	<b>DATE RECEIVED:</b> <u>03/18/16</u>
	<b>DATE ANALYZED:</b> <u>03/19/16</u>
<b>SAMPLE LOCATION:</b> Porter Ranch Castlebay Elementary School	<b>ANALYZED BY:</b> <u>Yang Song</u>
	<b>REQUESTED BY:</b> <u>Sumner Wilson</u>

---

---

**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Volatile Organic Compounds (VOC) by Gas Chromatography(GC)  
and Flame Ionization Detection (FID)

- Notes: 1. See attached for speciated results.  
2. City performing asphalt work during sampling period.

Date Approved: 3/24/16 Approved By:   
Rudy Eden, Sr. Manager  
Laboratory Services Branch  
(909) 396-2391

**LAB NO: 1607819****Location: Porter Ranch / Castlebay Elem****ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Quantitation of Organic Compounds by Gas Chromatography(GC) and  
Flame Ionization Detection (FID)

Sample Date	03/18/16	
Canister	53412	
<b>Sampling Location</b>	<b>Castlebay Elementary</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	126	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	1.5	0.7-4.1
acetylene	1.1	
propane	3.4	0.4-5.0
propylene	0.4	0.2-0.7
isobutane	0.7	0.2-0.9
n-butane	1.0	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	2.0	
1-pentene	<0.1	
n-pentane	0.4	0.1-0.6
isoprene	<0.1	
trans-2-pentene	<0.1	
cis-2-pentene	<0.1	
2,2-dimethylbutane	<0.1	
cyclopentane	<0.1	
2,3-dimethylbutane	0.1	
2-methylpentane	0.2	
3-methylpentane	0.2	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.1	0.1-0.2
methylcyclopentane	0.2	
2,4-dimethylpentane	<0.1	
benzene	0.3	0.1-0.5
cyclohexane	0.1	
2-methylhexane	<0.1	
2,3-dimethylpentane	0.1	
3-methylhexane	0.1	
2,2,4-trimethylpentane	0.3	
n-heptane	<0.1	0.1-0.2
methylcyclohexane	0.1	

**LAB NO: 1607819**  
**Location: Porter Ranch / Castlebay Elem**

**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Quantitation of Organic Compounds by Gas Chromatography(GC) and  
 Flame Ionization Detection (FID)

Sample Date	03/18/16	
Canister	53412	
<b>Sampling Location</b>	<b>Castlebay Elementary</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	126	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
2,3,4-trimethylpentane	<0.1	
toluene	0.6	0.1-0.6
2-methylheptane	<0.1	
3-methylheptane	<0.1	
n-octane	<0.1	<0.1-0.3
ethylbenzene	<0.1	0.1-0.2
m+p-xylenes	0.3	0.1-0.2
styrene	<0.1	<0.1-0.2
o-xylene	0.1	0.1-0.2
n-nonane	<0.1	<0.1-0.1
isopropylbenzene	<0.1	
n-propylbenzene	<0.1	
m-ethyltoluene	<0.1	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	<0.1	
o-ethyltoluene	<0.1	
1,2,4-trimethylbenzene	<0.1	
n-decane	<0.1	<0.1-0.1
1,2,3-trimethylbenzene	<0.1	
m-diethylbenzene	<0.1	
p-diethylbenzene	<0.1	
n-undecane	<0.1	<0.1
n-dodecane	<0.1	<0.1

NMOC = Non-Methane Organic Compounds  
 N.D. = Not Detected

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
SAMPLE ANALYSIS REQUEST**

DIST  
 INV  
 LAP  
LABOR



TO: SCAQMD LAB:  OTHER:

SOURCE NAME: Southern California Gas Co. I.D. No. \_\_\_\_\_

Source Address: 12801 Tampa Ave City: Porter Ranch

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: 91326

Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 3/18/15 10 02

Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716

REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill

Suspected Violation Rule(s) \_\_\_\_\_ Other

Sample Collected by: Qian Zhou Date: 3/18/16 Time: 9:20

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Castle Bay Charter School	53412	3/18/16 06:32 am 5 min	-30"	-2"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhouqian</i>	<i>SL</i>	SCAQMD Lab	<i>3/18/16</i>	<i>11:45</i>

Remarks: Samples collected by passive sampling via the XonTech 912 triggered by the Mocon NMHC.  
Trigger is set to 5ppm  
Castle Bay Charter School 19010 Castlebay Ln, Porter Ranch, CA 91326  
GPS: 34.315022, -118.564872 *Asphalt work by city, possible contamination. 3/22/16 02*